Ana Luisa Mata Sanchez

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English and Spanish

EDUCATION:

The University of Texas at El Paso (UTEP) – El Paso, TX **Expected Graduation: December 2021**
Bachelor of Science in Computer Science / Minor in Mathematics **GPA: 3.96/4.0**
Relevant Coursework: Elementary Data Structures/Algorithms, Discrete Mathematics, Data Structures, Advanced Object-Oriented Programming, Computer Architecture, Discrete Mathematics

Google Tech Exchange Scholar – Sunnyvale, CA **January 2020 - May 2020**
Took applied computer science courses taught by Google engineers and experts in Applied Data Structures & Algorithms, Software Development Studio, Machine Learning, Human Computer Interaction, and Database Systems. Selected as one of 40 scholars nationwide for a "Tech Exchange," a semester-long domestic exchange program by Google for underrepresented students in tech.

TECHNICAL SKILLS:

- Experienced in Python, Java, JS, React, Git, Ruby, MongoDB, HTML5, CSS
- Exposed to SQL, NoSQL

PROFESSIONAL EXPERIENCE:

Adobe Inc., Remote, TX **Cloud Software Development Intern** **May 2021 - August 2021**
- Developed and tested a Ruby microservice for database scaling purposes that interacted with MongoDB and Amazon SQS
- Followed Agile methodology and Test Driven Development by working directly with the Scrum team and JIRA

The University of Texas at El Paso, El Paso, TX **Teaching Assistant** **July 2020**
- Collaborated with **AI4ALL** to introduce students from diverse backgrounds to AI
- Mentored 20+ high school students in Artificial Intelligence and Machine Learning concepts such as clustering, naive Bayes, linear/logistic regression, gradient descent, neural networks

SELECTED PROJECTS:

Development of a Color By Number Web App **February 2020 - May 2020**
- Collaborated with a team of 4 students in **Google's** Software Product Sprint
- Created a Javascript and Java image processing application using Maven, Servlet, Google's Datastore, and App Engine
- Designed and implemented a heuristically evaluated user experience using CSS and HTML5
- Practiced industry best practices such as: contributing to open source software using Git and GitHub, conducting code reviews, participating in distributed development, designing new components and interfaces and leading them to completion

Development of a Music Game Web App **February 2020 - May 2020**
- Created a JavaScript web application with a team of 4 people using the React library
- Designed and implemented a heuristically evaluated frontend user experience using Material UI, CSS and HTML5
- Implemented Firebase and Firestore functions to fetch and write user data into the database

Inventory Management System for Hospital **March 2020 - May 2020**
- Co-designed a 3NF-compliant SQL schema for a hospital item database using the SQLite library. Implemented CRUD queries to manipulate the database
- Created an interactive frontend using Python3 and Flask

Machine learning model for predicting post engagement **March 2020 - May 2020**
- Worked in a team of 2 to train a logistic regression model using Python, Pandas and Keras libraries
- Used the text features of the RAOP dataset from Kaggle to learn word embeddings
- Regularized the model using techniques such as dropout, L1 and L0

ORGANIZATIONS:

Women in Computer Science (WICS) **Vice President** **August 2020 - July 2021**
- Organized workshops and online events to increase interest in computer science among women and their allies
- Engaged and contributed to a web design workshop focused on introducing freshmen to react and firebase

Society of Women Engineers (SWE) **Member** **August 2017 - Present**
- Facilitate inclusion and diversity in the field of engineering through events, workshops and fundraising
- Participate in fundraising activities with the purpose of funding coding camps

HONORS & AWARDS:

- College of Engineering Dean's List **August 2017 - Present**
- British English Olympics Master's Program – Best Group Presentation **April 2017**